

8212-4

EPA		POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT		REGION 6	TX 337
<p>NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.</p> <p>GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency, Site Tracking System, Hazardous Waste Enforcement Task Force, EN-335, 401 M St., SW, Washington, DC 20460.</p>					
I. SITE IDENTIFICATION					
A. SITE NAME EXXON BAYTOWN REFINERY		B. STREET (or other identifier) 2800 Decker Dr.			
C. CITY Baytown TXD000782697	D. STATE TX	E. ZIP CODE 77520	F. COUNTY NAME Harris		
G. OWNER/OPERATOR (if known) 1. NAME Exxon Company, U.S.A.		Contact: J.E. Hendon, Supervisor solid waste		2. TELEPHONE NUMBER 713-428-3115	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN					
I. SITE DESCRIPTION To simplify record and report management, Exxon has combined their Exxon Chemical Company, U.S.A. and Exxon Company, U.S.A. facilities in Baytown as one generator. Exxon Chemical Company, U.S.A. produces polypropylene; (see attachment A)					
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) CERCLA #TXS 135 2				K. DATE IDENTIFIED (mo., day, & yr.) 8-10-81	
L. PRINCIPAL STATE CONTACT 1. NAME Susan Ripley		TDWR Deer Park		2. TELEPHONE NUMBER 713-479-5981	
II. PRELIMINARY ASSESSMENT (complete this section last)					
A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input checked="" type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN					
B. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input checked="" type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)					
C. PREPARER INFORMATION 1. NAME: Deborah A. Vaughn Deborah A. Vaughn 2. TELEPHONE NUMBER: 214-742-4521 3. DATE (mo., day, & yr.): 2-24-83					
III. SITE INFORMATION					
A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)					
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code: 2821, 2822)					
C. AREA OF SITE (in acres) Unknown		D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg-min-sec): 29°42'48" N 2. LONGITUDE (deg-min-sec): 95°01'07" W			
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): Unknown					

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MAR 25 1983
REVIEWED BY (GAEH)
DATE 4-11-83
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SUPERFUND

JAN 04 1993

REORGANIZED

IV. CHARACTERIZATION OF SITE ACTIVITY					
Indicate the major site activity(ies) and details (include in each activity by marking "X" in the appropriate boxes).					
X	A. TRANSPORTER	X	B. STORER	X	C. TREATER
					D. DISPOSER
	1. RAIL	X	1. PILE		1. FILTRATION
	2. TRUCK		2. SURFACE MOUNDING		2. INCINERATION
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEMICAL TREATMENT
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT
					7. WASTE OIL REPROCESSING
					8. SOLVENT RECOVERY
					9. OTHER (specify):
					10. LANDFILL
					11. LANDFARM
					12. OPEN DUMP
					13. SURFACE MOUNDING
					14. NIGHTSOIL DUMPING
					15. UNDERGROUND INJECTION
					16. OTHER (specify):

2. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED: Wastes from the Baytown Refinery and the adjoining chemical plant are both deposited on Refinery property. An attached map gives the location of most of the inactive facilities. Currently there are 19 inactive areas, all of which were closed prior to November 1980. (see attachment A)

V. WASTE RELATED INFORMATION					
1. WASTE TYPE					
<input type="checkbox"/> 1. UNKNOWN	<input checked="" type="checkbox"/> 2. LIQUID	<input checked="" type="checkbox"/> 3. SOLID	<input checked="" type="checkbox"/> 4. SLUDGE	<input type="checkbox"/> 5. GAS	
2. WASTE CHARACTERISTICS					
<input type="checkbox"/> 1. UNKNOWN	<input checked="" type="checkbox"/> 2. CORROSIVE	<input checked="" type="checkbox"/> 3. IGNITABLE	<input type="checkbox"/> 4. RADIOACTIVE	<input type="checkbox"/> 5. HIGHLY VOLATILE	
<input type="checkbox"/> 6. TOXIC	<input type="checkbox"/> 7. REACTIVE	<input type="checkbox"/> 8. INERT	<input type="checkbox"/> 9. FLAMMABLE		
<input type="checkbox"/> 10. OTHER (specify):					
3. WASTE CATEGORIES					
1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.					
Yes; Main Plant Office					
2. Estimate the amount (specify unit of measure) of waste by category. Mark "X" to indicate which wastes are stored.					
4. SLUDGE		5. OIL		6. SOLVENTS	
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
Unknown	15.99 x 10 ⁶	Unknown	309 x 10 ⁶	Unknown	3.26 x 10 ⁹
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
	lb/yr.		lbs/yr.		
X	(1) PAINTS	X	(1) OILY WASTES	X	(1) HALOGENATED SOLVENTS
	(2) METALS		(2) OTHER (specify):		(2) NON-HALOGENATED SOLVENTS
	(3) PIGMENTS				(3) OTHER (specify):
	(4) ALUMINUM SLUDGE				(4) ACIDS
	(5) OTHER (specify):				(5) FLYASH
					(6) LABORATORY PHARMACEUT.
					(7) PICKLING LIQUORS
					(8) ASBESTOS
					(9) HOSPITAL
					(10) RADIOACTIVE
					(11) MULLING/ WINE TAILINGS
					(12) MUNICIPAL
					(13) FERTILIZERS
					(14) NON-FERROUS METAL WASTES
					(15) OTHER (specify):
					(16) STARCHES
					(17) FIBROUS
					(18) HALOGENS
					(19) PCB
					(20) METALS
					(21) OTHER (specify):

Wastes deposited onsite -
See attachments for total list.

3.26 x 10⁹ Sour water

Continued From Page 3

V. WASTE RELATED INFORMATION (continued)				
3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (Place in ascending order of concern):				
API Separator sludge				
Spent Activated carbon				
Tank Bottoms				
Evaporation Pond Sludge				
Monethanolamine				
Slop-oil emulsion solids				
chemical contaminated scrap				
4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE:				
VI. HAZARD DESCRIPTION				
A. TYPE OF HAZARD	B. POTENTIAL HAZARD (Mark 'X')	C. ALLEGED INCIDENT (Mark 'X')	D. DATE OF INCIDENT (Mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				Potential hazard cannot be determined

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Continued from Form 11070-1

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE. See attached list

☒ 1. RCRA PERMIT ☐ 2. SPCC PLAN ☒ 3. STATE PERMIT (specify):
☒ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER
☐ 7. RCRA STORER ☐ 8. RCRA TREATER ☒ 9. RCRA DISPOSER
☐ 10. OTHER (specify):

B. IN COMPLIANCE?
☒ 1. YES ☐ 2. NO ☐ 3. UNKNOWN

C. WITH RESPECT TO (list regulation name & number): Industrial Solid Waste disposal

VIII. PAST REGULATORY ACTIONS

☐ A. NONE ☐ B. YES (summarize below)
 Unknown

IX. INSPECTION ACTIVITY (past or on-going)

☐ A. NONE ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (DD, MM, & YR)	3. PERFORMED BY (EPA/State)	4. DESCRIPTION
Inspection	9-27-82	TDWR	Ind. Waste Disposal Compliance

X. REMEDIAL ACTIVITY (past or on-going)

☒ A. NONE ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (DD, MM, & YR)	3. PERFORMED BY (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

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ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-2.

Corresponding number on form	Additional Remark and/or Explanation
I.i.	polyisobutylene-isoprene type rubber; cyclohexane, ethylbenzene, ortho-xylene & paraxylene; aromatic concentrate, benzene, ethylene, isobutylene, linear paraffin and propylene. Exxon Company, U.S.A. Baytown Refinery produces butane, gasoline, lubricating oils, aromatic concentrate and solvents, distillate and residual fuel oils, light hydrocarbons, lubricants.
II.B.4.	FIT should be tasked to locate the groundwater monitoring wells and to determine if further monitoring is necessary.
IV.E.	<p>A review of state, hazit and RCRA files has found that the inactive areas have been closed, with sludge and contaminated soils removed to other facilities either on or off-site. However, because of the age of the site, leachate migration is possible.</p> <p>A DWR solid waste disposal compliance monitoring inspection held on September 27, 1982 found the facility to be compliant.</p> <p>Station groundwater monitoring wells are sampled quarterly. Sample summary results from February 1982 are attached. They indicate some groundwater contamination with respect to lead, silver, and coliform bacteria. The other elements listed are marginally over allowable limits.</p> <p>Since the available file information does not specify the locations of these monitoring wells, recommend that the FIT be tasked to determine their locations to establish whether additional wells are required, obtain latest sample results (file information is one year old) and investigate the advisability of sampling neighboring residential wells.</p>

IF THE PAGE FILMED IS NOT
AS LEGIBLE AS THIS LABEL,
IT IS DUE TO THE QUALITY
OF THE ORIGINAL.

ATTACHMENT I

EXXON BAYTOWN REFINERY AND CHEMICAL PLANT
SOLID WASTE REGISTRATION NUMBER 30040

SAMPLING DATE - FEBRUARY 15-18, 1982

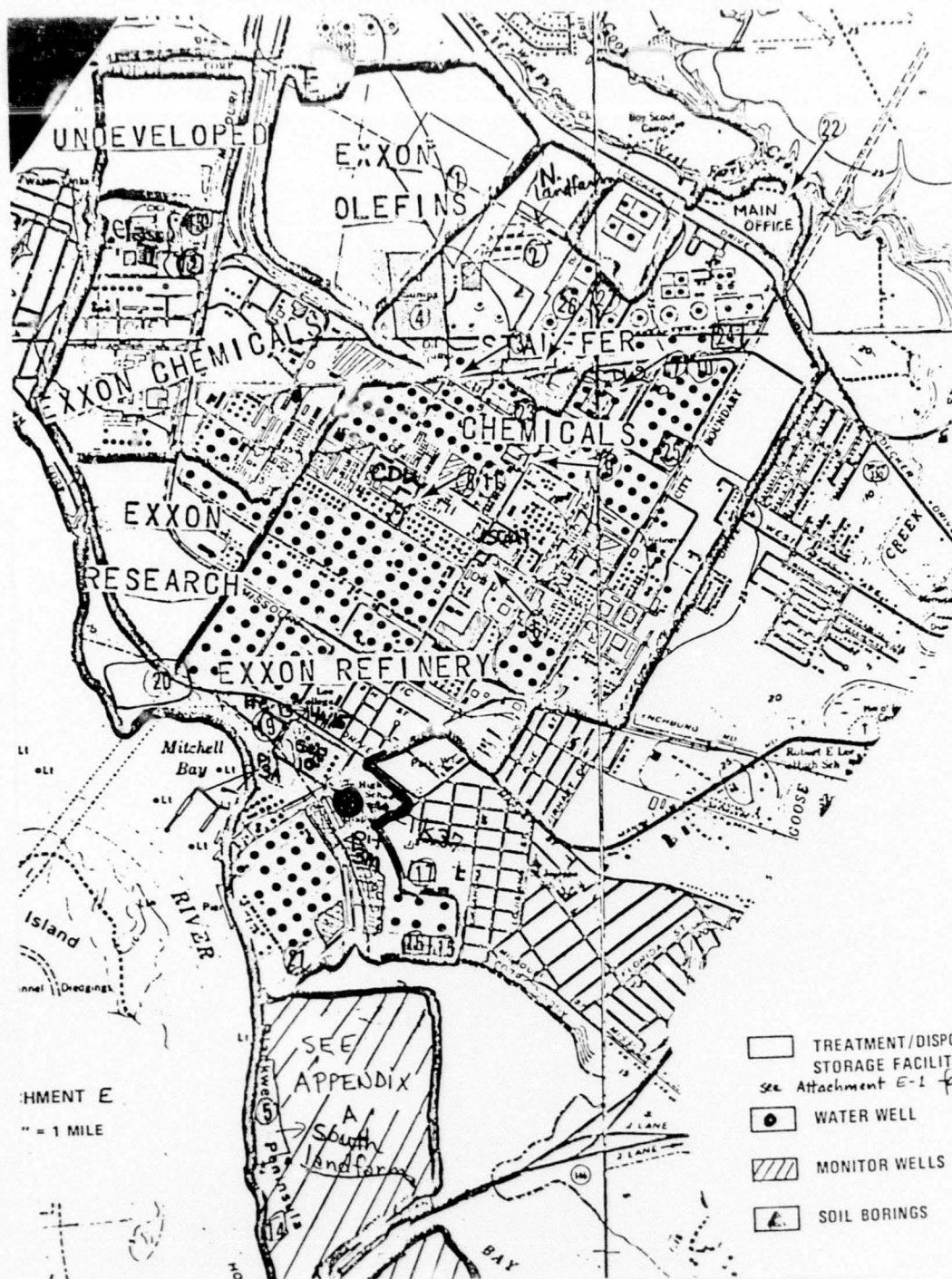
ANALYSES GREATER THAN IPDWS

Parameter	Limit	1*	2	3	4	5*	6	7	8	9	10	11	12*	13*	14	15	16
Barium	1.0 mg/L				1.9					1.12		1.5					
Cadmium	0.01 mg/L	0.07			0.02		0.03										
Fluoride	2.4 mg/L					3.45											
Lead	0.05 mg/L			0.1	0.1		0.2	0.1	0.1						3.45		
Silver	0.05 mg/L				0.07		0.2		0.21		0.10						
Gross Alpha	15 pCi/L	33 [±] 46	19 [±] 20														
Coliform Bacteria	1/100 ml	1100		4		39											

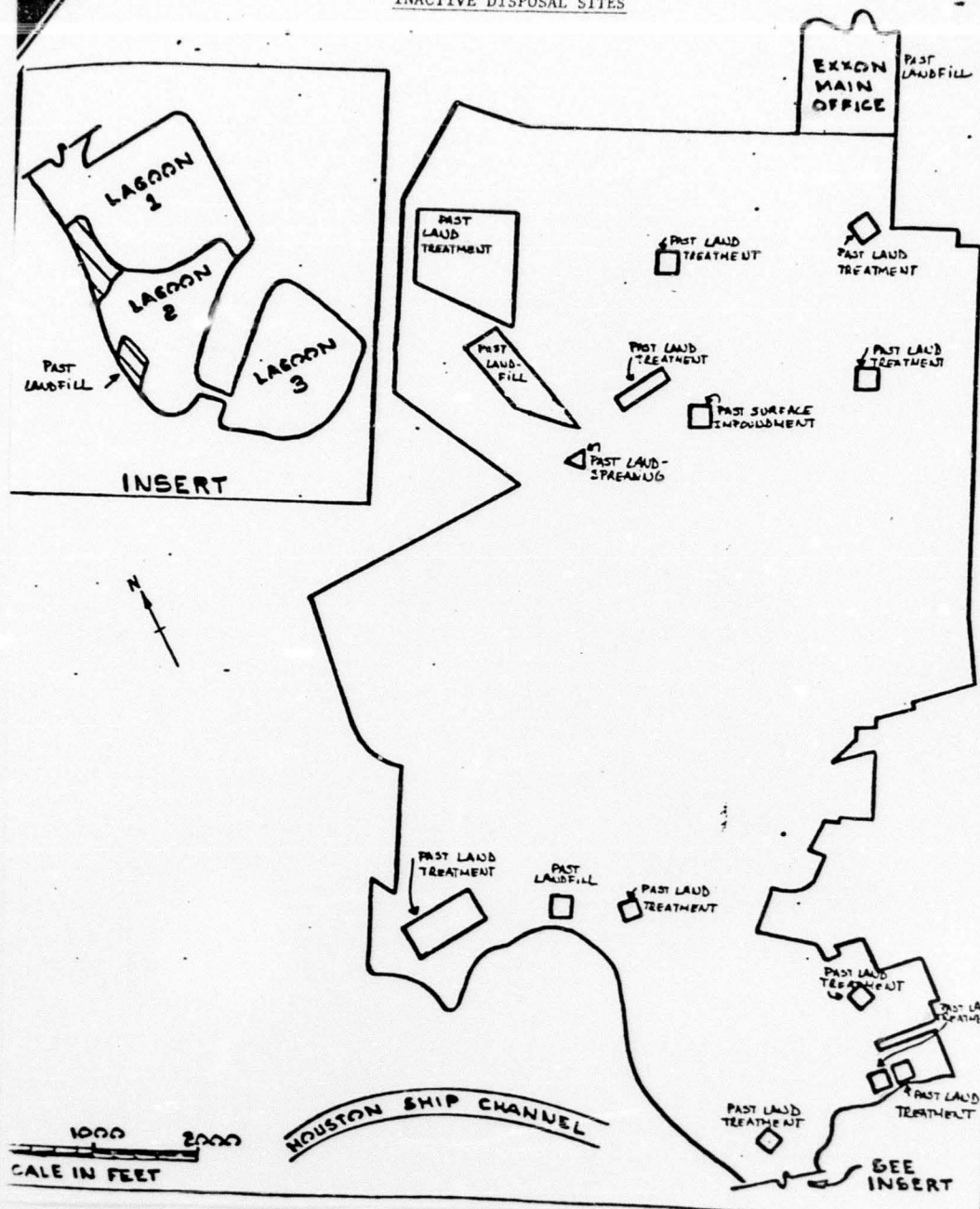
* Upgradient Wells

SSH:sth
4/12/82

ATTACHMENT



ATTACHMENT II
INACTIVE DISPOSAL SITES



ATTACHMENT E-1

<u>Facility</u>	<u>Status</u>	<u>Area (Acres)</u>	<u>Closure</u>
act No. 1	Inactive Land treatment	56	never used
act No. 2	Active Landfarm	43	
act No. 3	Inactive Landspreading	1.43	1925-1953
act No. 4	Inactive Landfill	29	
act No. 5	Active Landfarm	20 ?	
act No. 6	Active Balance Pit	0.10	
act No. 7	Active Balance Pit	0.10	
act No. 8	Active Caustic Disposal	*	
act No. 9	Active Caustic Oxidation	0.90	
act No. 10	Active Sour ^{water} Unit	7.50	
act No. 11	Active Sour Water Unit	*	
act No. 12	Inactive Lagoon	2.76	
act No. 13	Inactive Lagoon	6.24	
act No. 14	Inactive Landfill	2.0	1972
act No. 15	Inactive Landtreatment	4.0	1-1973
act No. 16	Inactive Landtreatment	4.0	1-1973
act No. 17	Inactive Land treatment	10.0	1972
act No. 18	Inactive Land treatment	3.0	1972-73
act No. 19	Inactive Landfill	1.0	1972-73
act No. 20	Inactive Land treatment	10.0	1973
act No. 21	Inactive Landtreatment	5.0	1972-73
act No. 22	Inactive Landfill	50.0	1919-1971 now a office bldg.
act No. 23	Inactive Lagoon	2.0 ?	grassy area
act No. 24	Inactive Land treatment	5.0	? } now part of crude tank
act No. 25	Inactive Land treatment	5.0	? } storage area
act No. 26	Inactive Land treatment	12.0	? } ¹¹ East
act No. 27	Inactive Land treatment	5.0	? }

Total acreage for facilities No. 8 and 11 is 0.8 acres.

ATTACHMENT
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7 C.2.

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ATTACHMENT

Table III: Generated Hazardous Wastes and Management Activities

Verbal Description of Waste	TDWR Sequence Number	TDWR Waste Code Number	EPA Hazard Code	EPA Hazardous Waste No.	Off-Site Disposal	Waste Management Activities (Check applicable items)			Annual Quantity Generated (lbs)	SIC Code and Process
						Storage ¹	Processing ²	Disposal		
Clay Containing Oil	2	279810	T	(1)	X				.05x10 ⁶	2911 Clay Treatin
Tank Bottoms from										2911 Product's
Light Cracked Fuels	5	179490	T	K049				X	1.9x10 ⁶	Storage
Sediment Containing TEL	7	150220	T	K052	X				.14x10 ⁶	2911 Product's
API Separator Sludge	10	240260	T	K051				X	14x10 ⁶	Storage
Residue from Crude										2911 Wastewater
Oil Tanks	17	250060	T	(1)	X				4.7x10 ⁶	Treatment
Waste Plastic with										2911 Crude Oil
Isopropanol	19	180640	I	(1)	X				10.5x10 ⁶	Storage
Butyl Rubber Sludge	21	150550	I	(1)	X				.93x10 ⁶	2821 Polypropyler
Paint Waste, Epoxy										2822 Butyl
Based	22	150840	I,T	F005	X				.32x10 ⁶	2911 Painting
Refrigerant Waste	23	111830	T	NA	NA				No Longer	Activities
Acid Waste With										Generated
Acetophenone	24	108880	C,I	NA	NA				No Longer	Generated
Solid Organic Peroxide	25	181540	I	NA	NA				No Longer	Generated
Organic Peroxide With										Generated
Mineral Oil	26	111940	I	NA	NA				No Longer	Generated

(1) Being tested for the following hazardous waste characteristics: ignitability, corrosivity, reactivity, and EP toxicity.

¹ "Storage" means the interim containment or control of waste after generation and prior to ultimate disposal.

² "Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal is not considered processing.

Table III-1 Generated Hazardous Wastes and Management Activities

Verbal Description of Waste	TDWR Sequence Number	TDWR Waste Code Number	EPA Hazard Code	EPA Hazardous Waste No.	Waste Management Activities (Check applicable items)			Estimated Annual Quantity Generated (lbs)	SIC Code and Process
					Off-Site Disposal	Storage ¹	On-Site Processing ²	Disposal	
Waste Sulfur	27	270240	R	(1)	X			1.8x10 ⁶	2911 Sulfur Conversion
Tank Bottoms from New Cracked Fuels	28	112090	T	K049				.09x10 ⁶	2911 Product's Storage
Stretford Slurry Froth Liquid Containing Xylene and Pentane	30	150990	T	(1)	X			.18x10 ⁶	2911 Sulfur Conversion
Miscellaneous Alcohol Wastes	31	110030	I	F003	X			.13x10 ⁶	2821 Polymerization
Sulfur With Stretford Salts	32	109650	I,T	F005	X			.07x10 ⁶	2869 Organic Chemical
Rust Scale With Toluene and Xylene	33	172310	T	(1)	X	X		71.9x10 ⁶	2911 Sulfur Conversion
Débris Contaminated With Class I Waste Plastic	34	179210	I,T	F003 & F005	X			.04x10 ⁶	2911 Aromatic Extraction
Waste Xylene	36	179240	I,T	(1)	X			.30x10 ⁶	2911 Turnarounds
Industrial Wastewater W/O nic Compounds	37	182050	I	F003	X			1.2x10 ⁶	2821 Polypropylene 2911 Wastewater Treatment Upset
Zinc Oxide Catalyst Scale & Rust from Sour Water Unit	39	109080	T	(1)	X			(2)	2911
	NA	172500	R	(1)	X			0.08x10 ⁶	Hydrogen Generation
	NA	148970	C,T	(1)	X			0.07x10 ⁶	2911 Turnarounds

- (1) Being tested for the following hazardous waste characteristics: ignitability, corrosivity, reactivity, and EP toxicity.
(2) This low volume, high strength wastewater stream will only be generated if problems develop in our wastewater treatment facility. "Storage" means the interim containment or control of waste after generation and prior to ultimate disposal.

"Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal as used above, does not include the actions of a carrier in conveying or transporting solid waste by truck.

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ATTACHMENT

(1) Being tested for the following hazardous waste characteristics: ignitability, corrosivity, reactivity, and EP toxicity.

² "Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal as used above, does not include the actions of a carrier in conveying or transporting solid waste by truck.

RETAKE TARGET

**Because of suspected operator
error or camera malfunction, the
preceeding page was refilmed and
appears as the next image.**

Table III-1 Generated Hazardous Wastes and Management Activities

Verbal Description of Waste	TOWR Sequence Number	TOWR Waste Code Number	EPA Hazard Code	EPA Hazardous Waste No.	Off-Site Disposal	Waste Management Activities (Check applicable items)			Estimated Annual Quantity Generated (lbs)	SIC Code and Process
						Storage ¹	On-Site Processing ²	Disposal		
Caustic	NA	NA	G	(1)			X		19x10 ⁶	2911 Caustic Neutralization
Spent Caustic	NA	NA	C	(1)			X		290x10 ⁶	2911 H ₂ S Removal
Sour Water	NA	NA	C	(1)			X		3.26x10 ⁹	2911 Water Stripping
Insulation W/Asbestos	20	170750	T	(1)	X				630 cu yd	2911 Insulation

(1) Being tested for the following hazardous waste characteristics: ignitability, corrosivity, reactivity, and EP toxicity.

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Table III-1 Generated Hazardous Wastes and Management Activities

Verbal Description of Waste	TDWR Sequence Number	TDWR Waste Code Number	EPA Hazard Code	EPA Hazardous Waste No.	Waste Management Activities (Check applicable items)			Annual Quantity Generated (lbs)	SIC Code and Process
					Off-Site Disposal	Storage ¹	On-Site Processing ²		
Acetone	NA	NA	I	U002	See Attachment	III-1			
Aniline	NA	NA	I	U012	See Attachment	III-1			
Benzene	NA	NA	T	U019	See Attachment	III-1			
Benzo(a) Pyrene	NA	NA	T	U022	See Attachment	III-1			
N-Butyl Alcohol	NA	NA	I	U031	See Attachment	III-1			
Chlordane	NA	NA	T	U036	See Attachment	III-1			
Chlorobenzene	NA	NA	T	U037	See Attachment	III-1			
Chloroethene	NA	NA	T	U043	See Attachment	III-1			
Chloroform	NA	NA	I,T	U044	See Attachment	III-1			
Cresols	NA	NA	T	U052	See Attachment	III-1			
Phenylic Acid	NA	NA	T	U054	See Attachment	III-1			

¹ "Storage" means the interim containment or control of waste after generation and prior to ultimate disposal.

² "Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal as used above, does not include the actions of a carrier in conveying or transporting solid waste by truck, ship, pipeline, or other means.

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Table III-I Generated Hazardous Wastes and Management Activities

Verbal Description of Waste	TOWR Sequence Number	TOWR Waste Code Number	EPA Hazard Code	EPA Hazardous Waste No.	Waste Management Activities (Check applicable items)			Annual Quantity Generated (lbs)	SIC Code and Process
					Off-Site Disposal	Storage ¹	On-Site Processing ²		
Cyclohexane	NA	NA	I	U056	See Attachment III-1				
Methylamine	NA	NA	I	U092	See Attachment III-1				
Ethyl Ether	NA	NA	I,T	U117	See Attachment III-1				
Hydrazine	NA	NA	R,T	U133	See Attachment III-1				
Hydrofluoric Acid	NA	NA	C,T	U134	See Attachment III-1				
Lead Acetate	NA	NA	T	U144	See Attachment III-1				
Mercury	NA	NA	T	U151	See Attachment III-1				
Methanol	NA	NA	T	U154	See Attachment III-1				
Methyl Ethyl Ketone	NA	NA	I,T	U159	See Attachment III-1				
Methyl Isobutyl Ketone	NA	NA	T	U161	See Attachment III-1				
Naphthalene	NA	NA	T	U165	See Attachment III-1				
Phenol	NA	NA	T	U188	See Attachment III-1				

¹ "Storage" means the interim containment or control of waste after generation and prior to ultimate disposal.

² "Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal as used above, does not include the actions of a carrier in conveying or transporting solid waste by truck, ship, pipeline, or other means.

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Table III-1 Generated Hazardous Wastes and Management Activities

Verbal Description of Waste	TDWR Sequence Number	TDWR Waste Code Number	EPA Hazard Code	EPA Hazardous Waste No.	Waste Management Activities (Check applicable items)			Annual Quantity Generated (lbs)	SIC Code and Process
					Off-Site Disposal	Storage ¹	On-Site Processing ²		
Pyridine	NA	NA	T	U196	See Attachment	III-1			
Tetrachloromethane	NA	NA	T	U211	See Attachment	III-1			
Toluene	NA	NA	T	U220	See Attachment	III-1			
Toxaphene	NA	NA	T	U224	See Attachment	III-1			
1,1,1 Trichloroethane	NA	NA	T	U226	See Attachment	III-1			
Trichloroethane	NA	NA	T	U228	See Attachment	III-1			
2,4,5, Trichloropheno- xyacetic Acid	NA	NA	T	U232	See Attachment	III-1			
Xylene	NA	NA	T	U239	See Attachment	III-1			
Carbon Disulfide	NA	NA	H	P022	See Attachment	III-1			
Tetraethyl Lead	NA	NA	H	P110	See Attachment	III-1			

¹ "Storage" means the interim containment or control of waste after generation and prior to ultimate disposal.

² "Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal as used above, does not include the actions of a carrier in conveying or transporting.

ATTACHMENT

TXD 00-078-2698

VII A

ATTACHMENT I

Relevant Program And/Or Law	Permit No.	Unit	Government Agency*
1. Wastewater Disposal Under the Texas Water Code	00592	Wastewater System	TDWR
2. NPDES Program Under the Clean Water Act	TX-0006271	Wastewater System	EPA
3. Texas Solid Waste Disposal Act	Submitted Permit Application for TDWR Registration No. 30040	T/S/D Facilities of Hazardous Waste	TDWR
4. Texas Clean Air Act	R-243	Sulfur Conversion Unit 1	TACB
	R-244	Sulfur Conversion Unit 1	TACB
	R-527	Flexicoking Unit	TACB
	R-1384	Tank 1096	TACB
	R-1384	Tank 1095	TACB
	R-1384	Tank 1089	TACB
	R-1384	Tank 1088	TACB
	R-1384	Tank 345	TACB
	R-1384	Tank 340	TACB
	R-1384	Tank 342	TACB
	R-1384	Tank 855	TACB
	R-1384	Tank 856	TACB
	R-1384	Tank 858	TACB
	R-1384	Tank 861	TACB
	R-1632	Hydrofining Unit 6	TACB
	R-2007	Pipe Still 8	TACB
	R-2070	Kerosine Hydrofiner	TACB
	R-2071	Light Gas Oil Hydrofiner	TACB
	R-2072	Naphtha Hydrofiner	TACB
	R-2073	Crude Light Ends	TACB
	R-2185	Hyd. reformer 4	TACB
	R-2210	BTFE Gas Turbine & WHB	TACB
	R-2338	Gas Turbine Generator 37/WHB 67	TACB
	R-2389	Residfiner 1	TACB
	R-2665	FCCU 3 Expansion	TACB
	R-2932	Sulfur Conversion Unit 2	TACB
	R-2977	Gas Treating and Regeneration	TACB
	R-2978	Sour Water Stripping BTFE	TACB

ATTACHMENT I (CONTINUED)

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Relevant Program And/Or Law	Permit No.	Unit	Government Agency
	R-2979	Safety Flare System BTFE	TACB
	R-2258	Ammonia Removal Facilities	TACB
	R-2522	Tank 348	TACB
	R-2522	Tank 350	TACB
	R-2522	Tank 744	TACB
	R-2522	Tank 753	TACB
	R-2522	Tank 841	TACB
	R-2522	Tank 849	TACB
	R-2522	Tank 850	TACB
	R-2522	Tank 1093	TACB
	R-2521	Tank 1093	TACB
	R-2752	Tank 321	TACB
	R-2752	Tank 322	TACB
	R-2752	Tank 323	TACB
	R-2752	Tank 344	TACB
	R-2752	Tank 346	TACB
	R-2752	Tank 347	TACB
	R-2752	Tank 740	TACB
	R-2752	Tank 743	TACB
	R-2752	Tank 736	TACB
	R-2752	Tank 737	TACB
	R-2752	Tank 749	TACB
	R-2752	Tank 40	TACB
	R-2752	Tank 349	TACB
	R-2794	Hydrogen Generation Unit 1	TACB
Dredge or Fill Permits Under Section 404 of the Clean Water Act	14394	NA**	CORPS
	13613	NA**	CORPS
	11752	NA**	CORPS
	10909	NA**	CORPS
	10133	NA**	CORPS
	9922	NA**	CORPS
	9684	NA**	CORPS
	9616	NA**	CORPS
	9569	NA**	CORPS
	9330	NA**	CORPS
	9101	NA**	CORPS
	9057	NA**	CORPS
	9056	NA**	CORPS
	7502	NA**	CORPS
	5772	NA**	CORPS
	5263	NA**	CORPS
	4658	NA**	CORPS
	4211	NA**	CORPS
	1960	NA**	CORPS

* TDWR = Texas Department of Water Resources
EPA = Environmental Protection Agency
TACB = Texas Air Control Board
CORPS = United States Army Corps of Engineers
** NA = Not Applicable

RBL:jmp
11/7/80